



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES



# 2014 Drought Response Report

## State Operations Center Situation Brief – April 15, 2014



# Situational Summary

On January 17, 2014 Governor Edmund G. Brown proclaimed a State of Emergency and directed state officials to take all necessary actions to prepare for drought conditions. The State Operation Center (SOC) is activated to implement objectives in support of the Governor's priorities. The lack of winter rain and snowfall has resulted in extremely dry conditions in many parts of the State. Reservoir levels are down significantly from where they should be on average for this time of year. If conditions continue without substantial rainfall, severe impacts to municipal water supplies, agriculture (plants and livestock) and firefighting capabilities are likely in store for the State over the next few months. Negative economic impacts will also result.

Dry weather continues through this week, with a slight chance of showers later this week along the state's northern border. Any precipitation will likely be minimal.

**\*\*As our state's rainy season ends this month, very heavy rain and snow would have to fall throughout California every day for the remainder of April to near average annual rain and snowfall levels. Even with such precipitation, California would remain in drought conditions, due to low water supplies from the two previous dry years.\*\***

The drought could result in severe impacts to the municipal water supplies, wells, agriculture (plants and livestock) and firefighting capabilities for several months. The SOC continues to be activated to monitor the situation statewide, and support regional and local operational areas.

# Situational Summary (cont'd)

Information as of 4/15/14

- The Taskforce continues to meet regularly to take actions that conserve water and coordinate state response to the drought.
- The most recent snowpack survey, conducted on April 1, recorded California snowpack at 32% of normal. A more recent update using automated devices shows snowpack at 28% of normal as of Sunday, April 13.
- DWR has announced that water essential for health and safety will be delivered through the state water project in spite of the zero allocation policy. Deliveries will be boosted if storms produce enough rain and snow to increase reservoir storage and the snow pack.
- Cal OES continues to gather drought-related costs from state agencies and local governments.

# Drought Impacts

## 1. Drinking Water (Information as of 4/14/14)

- The California Department of Public Health (CDPH) is developing questions that will be included in the upcoming Annual Report (AER) to gather data on water conservation and drought preparedness. The data collection will begin 3/10/2014, with a deadline to complete of 4/18/2014.
- CDPH has established and continually updates the CDPH Drinking Water website, as needed at: <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/DroughtPreparedness.aspx>.
- CDPH activated an Information Line to answer concerns or questions about public drinking water systems. Contact (855) 737-1796, Monday through Friday, 8:00 AM to 5:00 PM, effective Monday, February 24, 2014.
- Vulnerable Water Systems: The California Department of Public Health is providing technical and funding assistance to help several communities facing near-term drinking water shortages and is monitoring water systems across the state to determine where else it can provide support. Updated information can be found at the CDPH Drinking Water Program website

## 2. Fires (Information as of 4/14/14)

- 890 fires have been reported across the state since January 1, burning 2,354 acres. This year's fire activity is well above the year-to-date average of 338 fires, burning 1,074 acres. 16 new fires were reported over the past week, most of which were kept small thanks to additional firefighters, fire engines and firefighting aircraft added during this dry winter. Weekly Drought Briefing Monday, April 7, 2014

# Drought Impacts (continued)

## 3. Economic Impacts (Information as of 3/12/14)

- Agriculture Secretary Tom Vilsack declared two more California counties, Riverside and San Diego official disaster areas, bringing the total number of counties in this category to 56 of the 58 counties. Farmers in these counties are eligible for low interest emergency loans and other disaster assistance programs. The remaining two counties (Imperial and San Francisco) are covered as "contiguous" areas – as such, all counties in California are eligible for assistance.
- By law, SBA makes Economic Injury Disaster Loans (EIDLs) available when the U. S. Secretary of Agriculture designates an agricultural disaster. Agriculture Secretary Tom Vilsack declared this disaster on February 26, 2014.
- No information is available yet regarding impact on labor due to drought. Employment Development Department (EDD) will be sending weekly updates.

## 4. Agricultural Impacts (Information as of 4/8/14)

- CDFA will hold two public stakeholder meetings to discuss its new Water Efficiency and Enhancement Program, as well as receive comments and suggestions for the program's implementation. These meetings will take place on April 11, 2014 at CDFA headquarters, and on April 18, 2014 at the Stanislaus County Agricultural Center in Modesto.
- CDFA Secretary Karen Ross will hold an additional agricultural stakeholder call regarding the drought on Tuesday, April 8, 2014.

## 5. Community Impacts (Information as of 4/8/14)

- CDFA's drought webpage has been updated to include additional community resources with links and descriptions for the following programs from USDA's Farm Service Agency: Livestock Indemnity Program (LIP), Livestock Forage Program (LFP), Emergency Assistance for Livestock, Honey Bees, and Farm-raised Fish (ELAP), and Tree Assistance Program (TAP). These programs will be open for sign-up in mid-April, 2014 (exact date unknown).





# Federal Resources/Actions

Information as of 4/14/14

- **President signs the Drought Information Act:** Congress passed and the President signed a federal bill to reauthorize the National Integrated Drought Information System Reauthorization Act (NIDIS). This act enables a federal early warning system for droughts by providing information, forecasts and assessments to vulnerable states. NIDIS was championed by the Western Governors Association, based on the drought vulnerability of western states.
- The U.S. Bureau of Reclamation and the California Department of Water Resources last week released a Drought Operations Plan for the rest of 2014. This plan outlines planned operations of the state and federal water projects through the fall as California transitions from the rainy season into several dry months. This plan provides a framework of water management decisions that intends to balance key water needs during a third straight dry year. This plan will be implemented with the U.S. Fish and Wildlife Service, National Marine Fisheries Service, California Department of Fish and Wildlife and the State Water Resources Control Board.  
The overall objectives of the plan include:
  - o Closely manage scarce water resources in the coming dry months and into next year
  - o Augment water exports from the Delta this spring for storage and use when possible
  - o Ensure adequate water supplies for drinking water, sanitation and firefighting
  - o Prevent saltwater from intruding into California's water delivery system
  - o Provide sufficient water for fish migration and spawning
  - o Meet water quality needs for Delta water users by keeping saltwater at bay

# Federal Resources/Actions (continued)

Information as of 4/14/14

- The current Drought Operations Plan, which took several weeks to produce, is based on water data as of early March. Decisions will be updated in the coming weeks based on the April water forecast currently being compiled, and will be further updated in the coming months based on changing conditions. Additional information and FAQs on the Drought Operations Plan can be found at [drought.ca.gov](http://drought.ca.gov).
- The U.S. Department of Agriculture announced last week that farmers and ranchers can sign-up for disaster assistance programs reestablished and strengthened by the 2014 Farm Bill, beginning on Tuesday (April 15). Speedy implementation of these emergency programs has been a top priority of USDA in order to support farmers and ranchers hurt by the current drought.

# State Resources

Information as of 3/10/14

Governor Brown signed emergency legislation that provides funding for shovel-ready water projects and emergency assistance to communities hurt by the drought. The proposal also streamlines state rules to enable more water recycling, strong enforcement of water rights and housing assistance to migrant workers. Funding in the bill includes:

- \$549 million for infrastructure grants to increase storm water capture and use of recycled water, improve management of groundwater storage, and strengthen water conservation.
- \$40 million from the proceeds of the state's cap-and-trade program to help local water agencies improve their water and energy efficiency, help farmers upgrade irrigation and water pumping systems to reduce water and energy use, and to enable retrofits in commercial and residential buildings that improve water and energy efficiency.
- \$25 million for emergency food assistance in areas hard-hit by the drought.
- \$21 million for housing-related assistance to drought victims.
- \$15 million to help communities that face drinking water shortages access alternative water supplies.
- \$14 million to improve groundwater management across the state, including help to disadvantaged communities with groundwater contamination exacerbated by the drought.



# State Resources

Information as of 4/14/14

- **Statewide fire staffing continues to expand:** Last week, CALFIRE added 17 fire engines to fire stations in Northern California, and will add 42 more engines to the region next week. Southern California continues to operate with 120 fire engines. CALFIRE has increased firefighter staffing this spring far earlier than normal amidst dry conditions and abnormally high wildfire activity.
- **Housing assistance for drought victims advances:** The California Department of Housing & Community Development announced last week \$21 million in grant funding for rental assistance to individuals impacted by the drought. Half of this funding (\$10 million) comes from emergency funding approved through state legislation, while \$11 million comes from federal HOME and CDBG funding programs. HCD is seeking public input on the proposed process for providing this assistance, which will be provided during peak unemployment periods created by the drought.
- **New Conservation Ads:** Save our Water, the state's coordinated water conservation campaign, has rolled out seven new print advertisements that will be displayed on billboards, in water agencies materials, and through social media outlets across the state. These ads, which are part of the "Californians Don't Waste" media program, reinforce Governor Brown's call for a 20% reduction in water use across California.

# State Resources

Information as of 4/14/14

- **State agencies hold workshop to facilitate water transfers:** The State Water Resources Control Board and the Department of Water Resources will hold a public meeting on Tuesday, April 29 to solicit recommendations on how best to streamline the review process for temporary water transfers. State and federal agencies are working to streamline water transfers, which allow water rights holders to buy and sell water from each other, amidst severe constraints in water that can be delivered by the state and federal water projects for agricultural irrigation.
- **State, Federal and Tribal Collaboration:** The Governor's Tribal Liaison is expanding coordination with California tribal leaders regarding drought response. After multiple coordination calls between tribal leaders and state and federal agencies, this coordinating group has decided to initiate biweekly calls in order to coordinate drought response.
- **Small grants for drought-impacted farms.** Non-governmental groups continue to find creative ways to provide support to those impacted by drought. California Certified Organic Farmers and Community Alliance with Family Farmers have announced grants up to \$500 available to small, certified organic farms hurt the drought.
- **Cost Data:** Cal OES continues to gather drought-related costs from state agencies and local governments, which is reported weekly to the Drought Taskforce.
- **Governor's Drought Task Force:** The Taskforce continues to meet daily to take actions that conserve water and coordinate state response to the drought

# State Advance/Strategic Planning

Information Current as of 4/15/14

State actions looking forward for 30, 60, 120 days ahead will focus on:

- State and federal funding and legislative actions.
- Agricultural support, including USDA programs and other assistance to farmers.
- Actions to address water system operations and water supply, including curtailments, transfers, delta emergency actions.
- Actions to assess and assist with emergency needs related to drinking water.
- Assessment of hydropower generation, and any direct or indirect impacts to the electricity supply.
- Actions to address long-term habitat preservation.
- Community support needs and delivery of needed services such as food, rental/housing assistance, utilities assistance and support to non-profit organizations.
- Public health and safety issues such as increased fire threat, security threats, and activation of contingency plans.
- Actions to anticipate and address air quality impacts from continuing drought.

# Current Missions

Information Current as of 4/15/14

## Current Missions:

- There are no current missions open at this time.
- Mission 2014-Inland-2185 Tuolumne County was completed on March 25, 2014.

# County Drought Task Force Meetings

Information as of 4/15/14

County Drought Task Force Upcoming Meetings		
Inland Region		
County	Previous Meetings	Upcoming Meetings
Butte	2/18/2014	5/19/2014
Kern	3/13/2014	4/10/2014
Madera	3/11/2014	4/29/2014
Merced	3/19/2014	4/17/2014
Modoc	2/12/2014	
Nevada	2/28/2014	4/15/2014
Placer	3/12/2014	
Plumas	3/17/2014	4/14/2014
Sacramento	3/21/2014	4/11/2014
San Joaquin	3/19/2014	4/17/2014
Siskiyou	3/12/2014	4/22/2014
Stanislaus	3/19/2014	5/8/2014
Sutter	3/13/2014	5/8/2014
Tehama	2/18/2014	5/19/2014
Tulare	3/10/2014	4/14/2014
Tuolumne	3/28/2014	5/1/2014
Coastal Region		
County	Previous Meetings	Upcoming Meetings
Mendocino	2/26/2014	4/16/2014
Monterey		
San Mateo	3/18/2014	
Santa Clara	2/27/2014	
Solano	3/31/2014	
Southern Region		
County	Previous Meetings	Upcoming Meetings
San Luis Obispo	3/19/2014	
Santa Barbara	3/12/2014	Postponed
Orange	4/1/2014	

# County Updates

## **Local Government** ( as of 4/14/14)

- **Water Agency Conservation Efforts:** The Association of California Water Agencies has identified several hundred local water agencies that have implemented water conservation actions. These water agencies are responding to the drought by implementing conservation programs, which include voluntary calls for reduced water usage and mandatory restrictions where water shortages are worst.
- **County Drought Taskforces:** A total of 24 counties have established drought task forces to coordinate local drought response. These counties include: Butte, Kern, Madera, Mendocino, Merced, Modoc, Monterey, Nevada, Orange, Placer, Plumas, Sacramento, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Siskiyou, Solano, Stanislaus, Sutter, Tehama, Tulare, and Tuolumne.
- **LA-Area Groundwater Project increases use of Recycled Water:** The Los Angeles Regional Water Quality Control Board took action last week to increase use of recycled water in its large Montebello Forebay Groundwater Recharge project, potentially saving more than 4.8 million gallons of imported water a year. This project represents the potential of combining water recycling with effective groundwater management to greatly increase water conservation.

## **Coastal Region Updates**

### **Contra Costa** (as of 4/11/14):

- **EBMUD:** reservoirs as of Thursday 3/27 were 76% of average, or 62% of capacity and precipitation in our Mokelumne River Basin was 52% of average



# County Updates (continued)

## Coastal Region Updates

### **Marin (as of 4/11/14)**

- Reservoir levels continue to increase slightly and are now at 81% of capacity and 88% of normal. The recent storm produced 5.03 inches of rain.
- Our annual total rainfall to date is now 31.94 inches compared to the average of 47.05 for this date. We are reaching the end of the rainy season, and there is no rain predicted in the next ten-day forecast.
- The 25% voluntary water use reduction request is still in place.

### **Mendocino (as of 4/11/14)**

- Public Health Drinking Water is still working with Caspar South's funding but learned of a glitch in that some of their calculations may have been off and so they might have more water than they realized. That funding project is stalled until they are able to get more input from their engineer/manager.
- Both the reservoirs in Willits and Brooktrails are full.
- Willits is now working with Public Health Drinking Water regarding other sustaining projects.
- Brooktrails will have a report on potential well locations based on their sounding in the near future at the next Emergency Ad Hoc Committee Meeting.
- Redwood Valley County Water District has been moving forward with the intertie, they are working with the County to obtain permits to continue. Redwood Valley County Water Districts has not been removed from the critical list due to the upcoming Russian River Flood Control meeting. RRFC ensured RVCWD at their meeting they would sell them 355 ac/ft. for domestic use-this has not been confirmed. At this meeting that there was significant disagreement about it on the Board and that they were going to revisit it on the April 14th meeting.
- Public Health Drinking Water has been working closely with the Mendocino Coastal areas matching people and resources together.

# County Updates (continued)

## Coastal Region Updates

### **Mendocino** ( as of 4/11/14)

- PHDW is also working with the Ukiah Valley water agencies on establishing permanent interties all along the Ukiah Valley. This is a really important long-term project. We are hopeful the IWRM group will be looking at this as a possible funding project. PHDW is also working with Fort Bragg on a project for raw water storage ponds. Coastal communities rely on them to be able to haul water to coastal cities. This would be an important project for future droughts and they seem pretty shovel ready.
- The next Mendocino County Emergency Ad Hoc Committee meeting is scheduled for April 16th at 1:00 p.m.
- April 8, 2014 the BOS approved the continued Drought Declaration.

### **Napa** (as of 4/11/14):

- Last night April 8, 2014 the St. Helena City Council agreed to lift the city's Phase II water restrictions. Voluntary water conservation measures remain in effect.

### **Sonoma** (as of 4/11/14)

- Two water systems in OA are being placed in "vulnerable" status by CDPH, Mt. Taylor Mobile Home Park and Timber Cove County Water District. Meeting in Santa Rosa with them on April 17.

# County Updates

## INLAND REGION UPDATES

### **Amador** (as of 4/10/14)

- Amador County continues to monitor the drought situation and consider appropriate actions in response.

### **Butte** (as of 4/10/14)

- Awaiting survey results concerning Small Water Systems as requested by CDPH. Next week we should have clearer picture of the survey results.

### **Calaveras** (as of 4/10/14):

- On 4/10/2014 Calaveras County OES will be having a drought impact meeting with stakeholders to discuss water conservation measures, short and long term drought impacts, need for emergency ordinances and/or local proclamation

# County Updates (continued)

## Inland Region Updates

### **Kern** (as of 4/10/14):

- Kern Co. Drought Task Force meeting at the Kern County Emergency Operation Center, 2601 Panorama Drive, Building B, on Thursday April 10, 2014 at 0900.
- Per Steve Cantelme (OES Director), Sacramento Co has no new information. Next drought task meeting is scheduled for April 11 2014

### **Kings** (as of 4/10/14):

- Drought Resolution renewed by Kings County BOS

### **Madera** (as of 4/10/14):

- Madera County OES is working with American Red Cross to secure 7 pallets of canned water to disburse throughout the region. Hopefully more will be provided at later dates/or as needed. ARC will be working on logistics for the delivery of the water throughout the region and is requesting location site information.
- OES will also be working with Central CA Animal Disaster Team in preparing for incident as it progresses.
- Next Drought Task Force meeting scheduled for Tuesday, April 29, 2014.
- MC Web EOC site down and not able to access to capture other drought-related data. Once site is operating, OES will review and forward other data if posted.

# County Updates (continued)

## Inland Region Updates

### **Merced** (as of 4/10/14):

- Working closely with CDPH regarding two water systems; Planada CSD – System No. 2410007 – One of the engineers visited this water system this week and learned that source capacity of their wells has dropped off. In an effort to increase source capacity, the CSD is requesting reactivation of one of their standby wells. They are also going to try to secure funding for additional improvements that would help to increase the source capacity. At this time, there is no significant threat of an outage. CDPH will continue to monitor the situation closely and provide us with any updates.
- Santa Nella CSD – System No. 2410018 – Continues to try to pursue funding for purchasing the more expensive surface water. Moving forward with a proposal to consolidate San Luis Water District into the CSD to increase the customer base. They continue to explore potential sites for a test well that is being funded by the Department's P84 funds.
- Next Drought Taskforce Meeting April 17th.
- Drought Proclamation Renewed, next Renewal will be April 22, 2014

### **Nevada**(as of 4/10/14):

- OES, NID, Ag Commissioner briefing the BOS on Tuesday April 8, 2014.
- NID Board meeting on Wednesday April 10, 2014. May declare a Drought Emergency.
- Next Drought Planning Group Meeting scheduled for August 15, 2014

# County Updates (continued)

## Inland Region Updates

### **Placer (as of 4/10/14):**

- The Nevada Irrigation District is having a board meeting tomorrow and will be considering a Stage 2 drought declaration.

### **Solano (as of 4/10/14)**

- Drought task force met Monday 3/31 to discuss Drought Emergency Proclamation. Will bring in General Services Department Manager for County to add additional expertise for next meeting.
- Ag Commissioner has concerns about Delta salinity once barriers are set in place and the affect on irrigation on some Islands. A few North County farms are without irrigation support as well.
- April 15 Disaster Council Meeting will be Drought specific with presentations from Ag and water agencies in Solano County.

### **San Joaquin County (as of 4/10/14):**

- Due to a schedule conflict, the next Agricultural Drought Task Force meeting will be moved to April 17th.
- South San Joaquin County Irrigation District has decided to fill Woodward Reservoir in Oakdale. The reservoir will be filled May 1st through July 7th.
- Information on the CDFA assistance briefing in Modesto April 11th and 18th will go out to the Task Force and Advisory Group members.
- Next Steps: Continued education will be of the utmost importance in the coming weeks. Keep all jurisdictions updated on situations and actions taken by state and federal agencies to assist during the drought. Agencies and districts will continue assessing water availability and quality.



# County Updates (continued)

## Inland Region Updates

### **Sierra (as of 4/10/14):**

- Yuba pass snow fall went from 0 to 3 ft. in a matter of two days. No new snowfall, and none expected

### **Siskiyou (as of 4/10/14):**

- County OES is still working with the City of Montague on their water issues. We have been working with Kevin Demers from the local USDA Office on applying for a grant to complete a project for the City of Montague. We have run into several issues during this process, but are continuing to work on solutions.
- There is a water meeting in Montague at Montague City Hall on 04/07/14 at 1:30pm to further discuss water concerns and possible funding and assistance that may be available.
- We are continuing to receive completed Ag Surveys for county farmers, ranchers and other businesses.
- We have begun the process of developing a spreadsheet that will document estimated drought impacts for the county.
- We will also be developing a survey for economic impacts to non-agricultural county businesses.

### **Stanislaus(as of 4/10/14):**

- Due to recent precipitation, Turlock Irrigation District is delaying the beginning of the irrigation season to April 10, 2014. The new dates for the delivery of irrigation water are 4-10 through 10-8-2014. The cap remains at 20 inches of water per acre. The Water Department Distribution Manager may change the dates of the season depending on crop needs and weather.

# County Updates (continued)

## Inland Region Updates

### **Tuolumne** (as of 4/10/14):

- Next drought task force meeting tentatively scheduled for 4/24/14.
- Tuolumne will hold their first community forum at the Sonora Opera Hall on April 30 from 6:30-8:00 pm.
- Tuolumne OES is coordinating with TUD regarding our media outreach and organizing the community forums.

### **Yolo** (as of 4/10/14):

- The Yocha Dehe Wintun Nation signed a Declaration of Drought Emergency on March 25th. They subsequently met with DWR on April 8th who is assisting them with this.

### **Yuba** (as of 4/10/14):

- Yuba County OES continues to coordinate with and monitor County Agencies and Special Districts for Drought issues.

# County Updates (continued)

## SOUTHERN REGION UPDATES

### **San Luis Obispo County (as of 4/10/14)**

- Due to severe drought conditions, the California Fish and Game Commission adopted, on February 5, 2014 the recommendation of the California Department of Fish and Wildlife to implement emergency regulations that close certain waters to fishing; for San Luis Obispo County this includes all portions of any coastal stream west of any Highway 1 bridge until April 30.

### **Santa Barbara (as of 4/10/14)**

- Drought Task Force meeting originally scheduled for April 9, 2014 has been postponed. BOS Re-Ratification-April 15th, 2014.

# Weather Synopsis by Region

Information as of 4/15/14

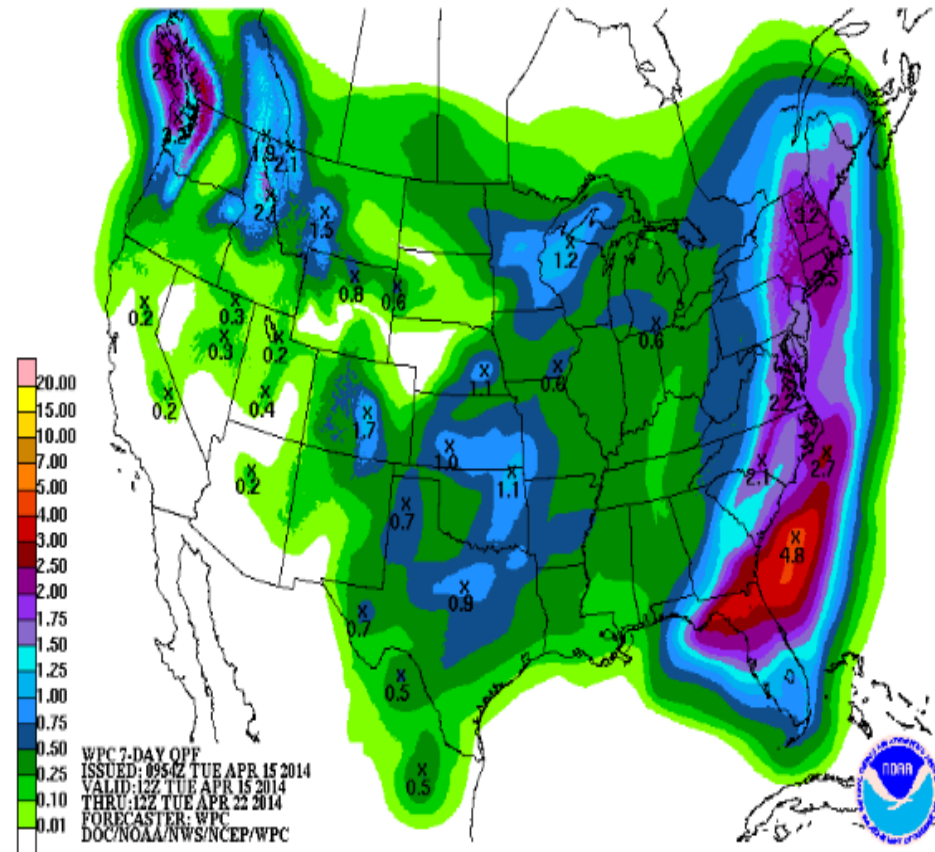
## Northern & Central California

### Eureka Weather:

Dry conditions will persist for the next several days with nighttime and morning low clouds and fog. Light rains are possible Thursday primarily north of Cape Mendocino as a warm front moves through the area.

### San Francisco Weather:

Dry conditions and seasonal to a bit warmer than seasonal daytime temperatures are expected to continue across the region through this upcoming weekend as upper level high pressure remains near the West Coast. Areas of coastal low clouds and patchy fog will continue to extend locally inland during the night and morning hours however as the marine layer persists.



<http://www.hpc.ncep.noaa.gov/qpf/day1-7.shtml>



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# Weather Synopsis by Region

Information as of 4/15/14

## Central California and Southern San Joaquin Valley

### Sacramento Weather:

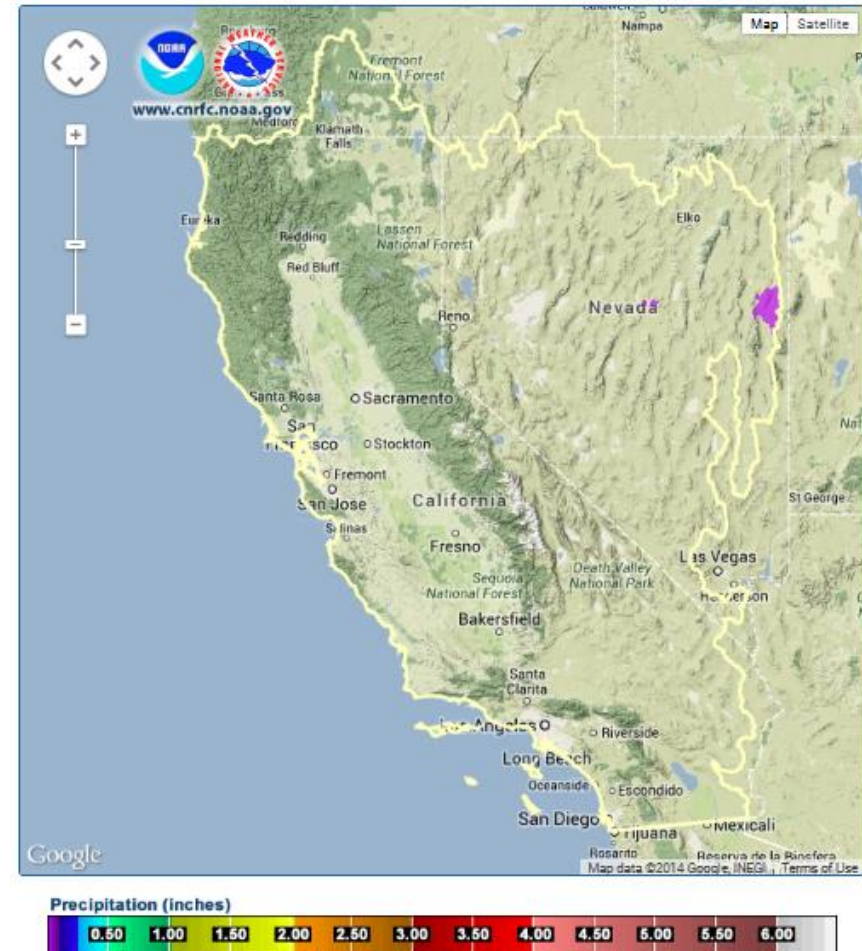
Dry weather with well above normal high temperatures will continue through Thursday with a slight chance of showers over the northern mountains on Friday into the weekend. Breezy northerly winds possible tonight and Wednesday.

### Hanford Weather:

Dry conditions and above normal temperatures will continue through the remainder of the work week though a few showers will be possible over the High Sierra late in the week. A bout of increased winds is expected for central and eastern Kern County this evening into Wednesday morning.

## California Precipitation Graphic

72 hour (4/11/14-4/14/14)



<http://www.cnrfc.noaa.gov/google.php>



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# Weather Synopsis by Region

Information as of 4/15/14

## Southern California

### Los Angeles Weather:

Increasing onshore flow will bring cooler temperatures to the area through Saturday with a return of night through morning low clouds and fog. Warming weather can be expected late in the weekend and early next week.

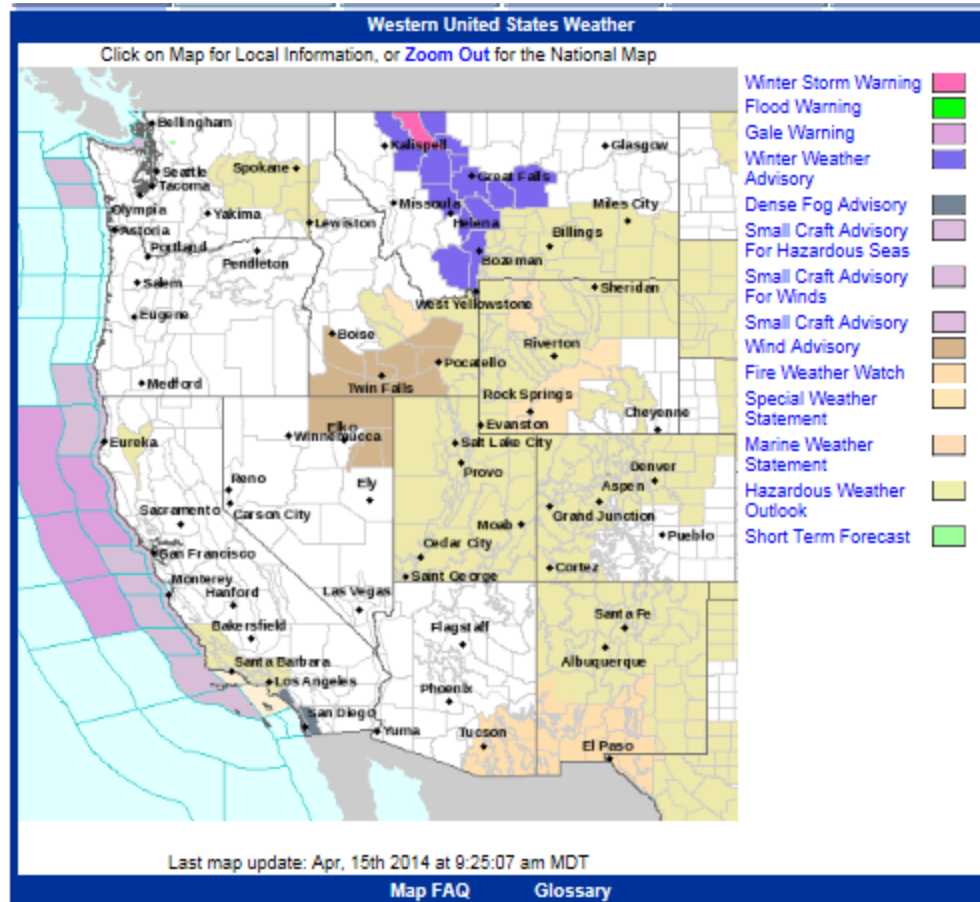
### Orange, San Diego, Western Riverside, and Southwestern San Bernardino Weather: Southeast California Weather:

High pressure will weaken today and a cooling trend will start at the coast. Cooler weather will extend inland for the rest of the week as a low pressure trough moves through California. Also, there will be more low clouds and fog during nights and mornings, and breezy afternoons and evenings in the mountains and deserts. Higher pressure will bring warmer weather early next week



# State Weather Map

Information as of 4/15/14



<http://www.wrh.noaa.gov/>



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## National 7-day Significant Fire Potential Outlook



### Legend

#### Fuel Dryness

	Moist - Little or no risk for large fires.
	Dry - Low risk of large fires in the absence of a "High Risk" event.
	Very dry - Low/Moderate risk of large fires in the absence of a "High Risk" event.
	Data Unavailable.

#### High Risk Events

	Wind
	Hot and Dry
	Lightning

#### Missing Stations

- Yurok
- Whitmore Califo

### California - North Area 7 Day Significant Fire Potential

Predictive Service Area	Sun Apr 13	Mon Apr 14	Tue Apr 15	Wed Apr 16	Thu Apr 17	Fri Apr 18	Sat Apr 19	Sun Apr 20
NC01 - North Coast								
NC02 - Mid Coast								
NC03A - Bay Area-Marine								
NC03B - Diablo/Santa Cruz Mtns								
NC04 - Northwestern Mtns								
NC05 - Sacramento Valley								
NC06 - Northeast CA								
NC07 - Northern Sierra								
NC08 - East Side								

#### Weather

High pressure currently over the North Ops region will move east this evening as a weak dry cold front moves in. The front will bring cooler temperatures, higher humidity, and scattered clouds through Tuesday.

A high pressure ridge will be overhead Wednesday and early Thursday. A light N-NE surface wind pattern will also develop from the western Sierra slopes to the coast range, but warming from this pattern will be offset by mid and high cloud cover.

Another front will sweep across the northern portion of the North Ops region late Thursday and early Friday. This front will bring light rain to areas north of a line from Clear Lake to Red Bluff to Quincy, with isolated showers possible over the Sierra farther south. Isolated afternoon mountain showers or thunderstorms are possible Friday through Sunday and slightly unstable conditions persist.

#### Fuels/Fire Potential

The warm dry weather has started pushing dead fuel moisture readings at lower elevations in the Bay Area into the **DRY** category. These conditions can also be found toward the southern end of NC02 and NC05 as well, and this pattern is expected to gradually spread northward during dry weather patterns.

A significant difference in the effects of the current sunnier dry weather in these valleys, compared to that of the earlier January drought time, is that now there is a more continuous, taller annual grass crop that for now at least remains **mostly** green. The Northern CA snowpack remains at historical lows for this time of year so dead fuels at mid and upper elevations will also dry out rapidly.

Most of Northern California remains in **Severe to Extreme** longer-term drought. For the latest drought map see: <http://droughtmonitor.unl.edu/Home/StateDroughtMonitor.aspx?CA>

#### Resources

North OPS: Preparedness Level 1  
National: Preparedness Level 1  
MACS Mode 2







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## Legend

### Fuel Dryness

	Moist - Little or no risk for large fires.
	Dry - Low risk of large fires in the absence of a "High Risk" event.
	Very dry - Low/Moderate risk of large fires in the absence of a "High Risk" event.
	Data Unavailable.

### High Risk Events

 Windy and Dry

 Lightning

### Missing Stations

- Devore

## California - South Area 7 Day Significant Fire Potential

Issued: Tuesday, Apr 15, 2014

Parameters:

Predictive Service Area	Mon Apr 14	Tue Apr 15	Wed Apr 16	Thu Apr 17	Fri Apr 18	Sat Apr 19	Sun Apr 20	Mon Apr 21
SC01 - Eastern Sierra								
SC02 - Central Sierra								
SC03 - Southern Sierra								
SC04 - Sierra Foothills								
SC05 - Central Valley								
SC06 - Central Coast Interior								
SC07 - Central Coast								
SC08 - South Coast								
SC09 - Western Mountains								
SC10 - Eastern Mountains								
SC11 - Southern Mountains								
SC12 - Lower Deserts								
SC13 - Eastern Deserts								
SC14 - Central Mojave								
SC15 - Upper Deserts								
SC16 - Northern Deserts								

### Weather

A ridge of high pressure over California will weaken bringing a slow cooling trend and a small increase in humidity to most of the region through Wednesday. Maximum temperatures will be in the mid 60s to mid 70s in the mountains and 80s in the valleys today. Minimum humidity will be mainly between 12% and 25% away from the coast today, with single digit humidity continuing across most desert locations. A weak trough will move over the West Coast Thursday through Saturday causing temperatures to cool to near normal and humidity levels to rise to above 30% away from the deserts. A little warmer and drier conditions will affect the region Sunday as a weak ridge of high pressure builds into California from the Pacific Ocean. There will be isolated afternoon showers and thunderstorms over the Sierra Thursday through this weekend. A normal afternoon sea breeze of 10 to 20 mph will move inland each day through this weekend.

### Fuels/Fire Potential

The large fire threat will remain low across the region through the forecast period due to the absence of significant weather. Expect light initial attack activity to continue across the region through the forecast period.

### Resources

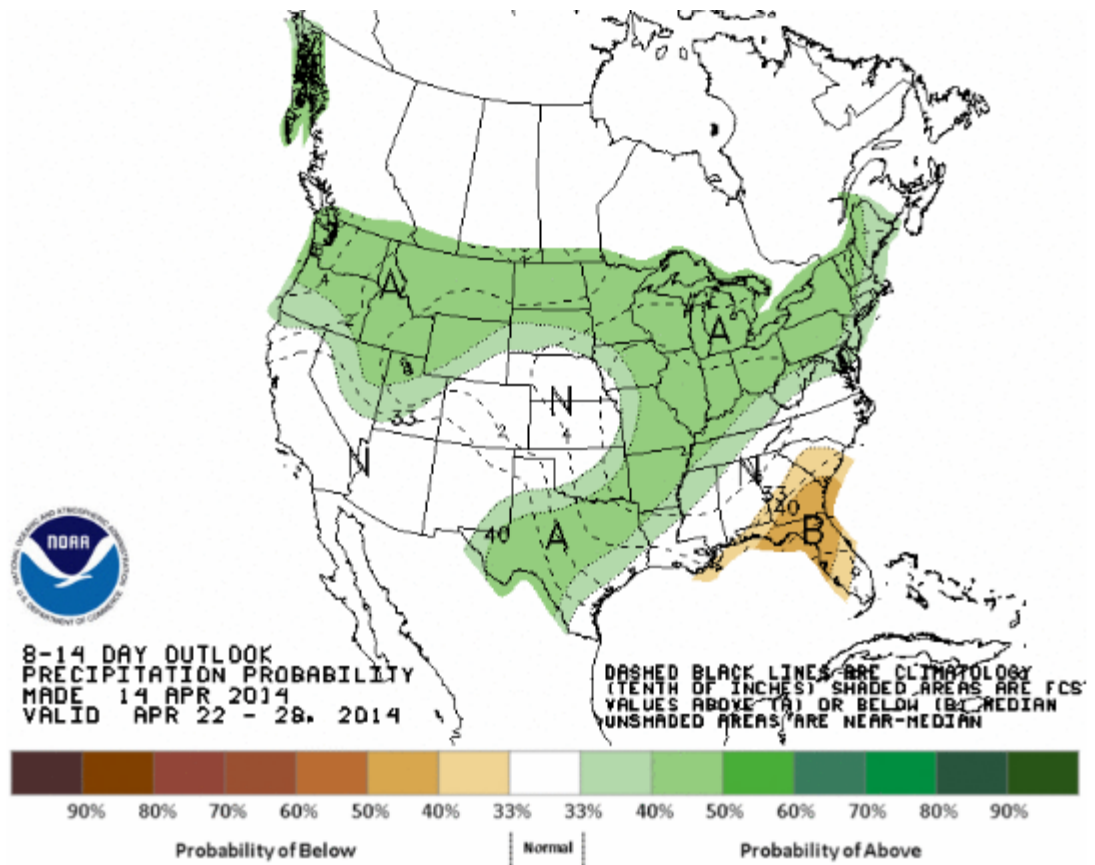
CWCG Preparedness Level 2, MACS Mode 2

<http://psgeodata.fs.fed.us/7day/action/forecast/8>



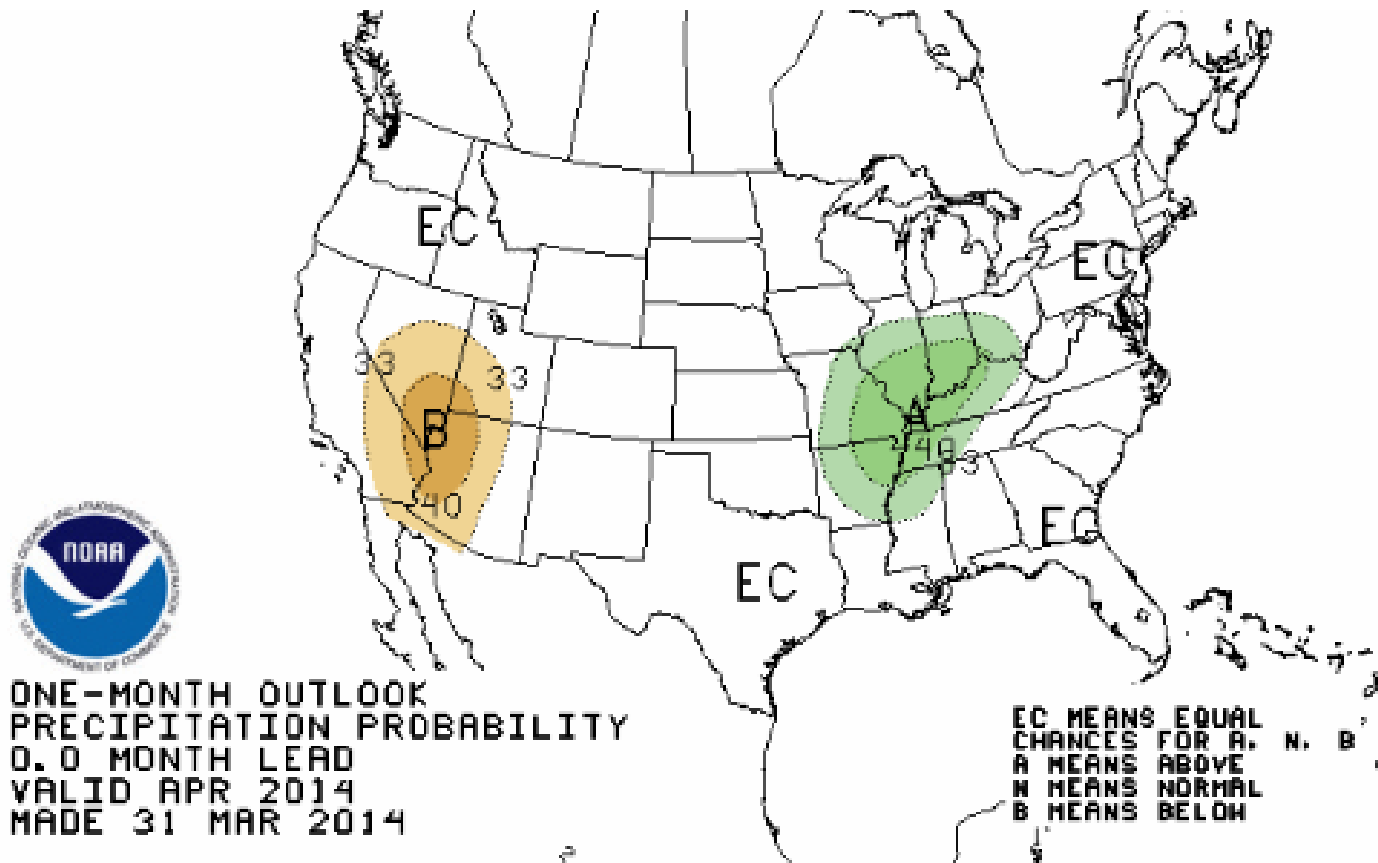
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# 8-14 Day Precipitation Probability Outlook for April 22 – April 29, 2014



<http://www.cpc.ncep.noaa.gov/products/predictions/814day/>

## March-April Precipitation Probability Outlook



<http://www.cpc.ncep.noaa.gov/products/predictions/30day/>



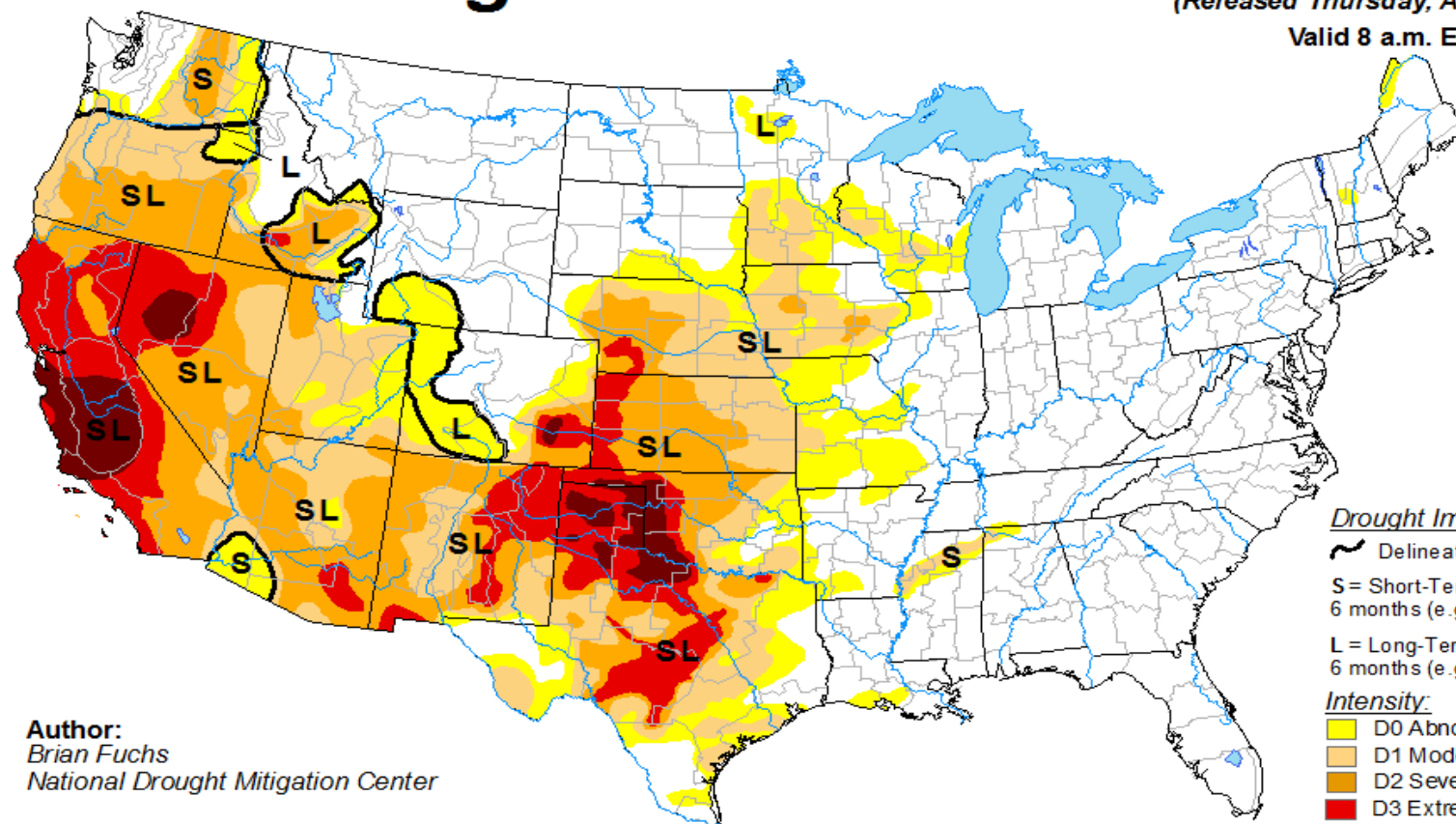
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# U.S. Drought Monitor

April 8, 2014

(Released Thursday, Apr. 10, 2014)

Valid 8 a.m. EDT



Author:  
Brian Fuchs  
National Drought Mitigation Center

## Drought Impact Types:

~ Delineates dominant impacts

S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

## Intensity:

Yellow D0 Abnormally Dry

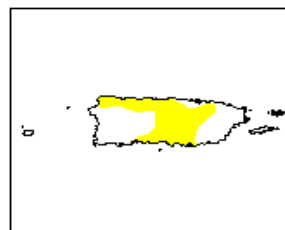
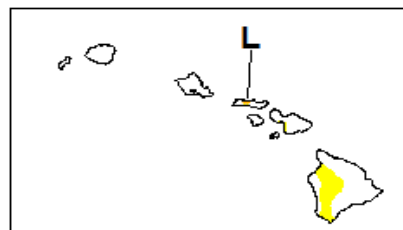
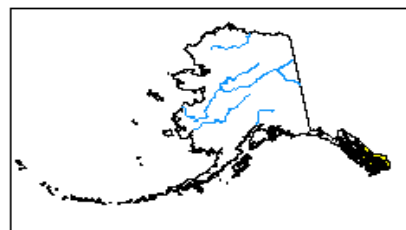
Light Orange D1 Moderate Drought

Orange D2 Severe Drought

Red D3 Extreme Drought

Dark Red D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



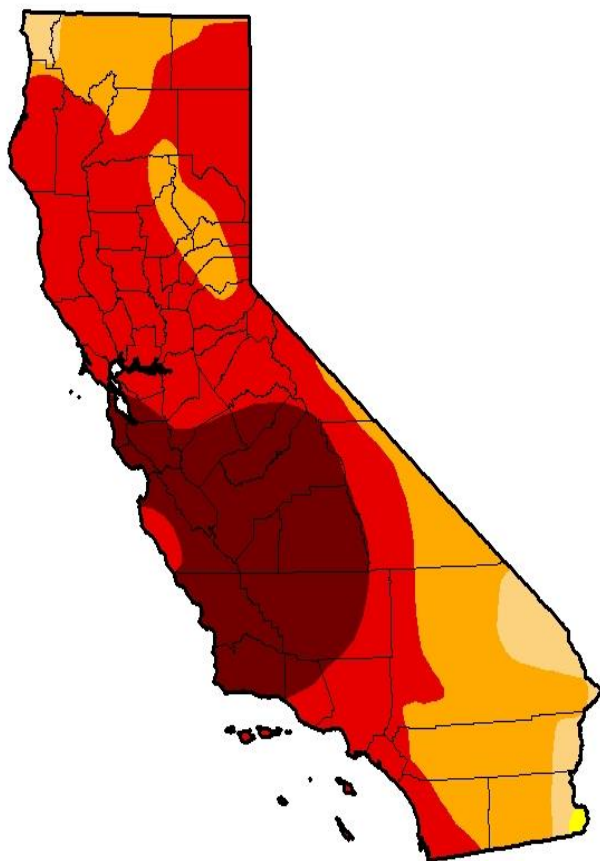
<http://droughtmonitor.unl.edu/>

S  
CES



# Weather Summary - Current Drought Conditions in California

## U.S. Drought Monitor California



April 8, 2014

(Released Thursday, Apr. 10, 2014)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.81	95.21	68.76	23.49
Last Week 4/1/2014	0.00	100.00	99.81	95.21	68.76	23.49
3 Months Ago 1/7/2014	1.43	98.57	94.25	87.53	27.59	0.00
Start of Calendar Year 12/1/2013	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year 10/1/2013	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago 4/9/2013	2.84	97.16	48.39	23.22	0.00	0.00

### Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

### Author:

Brian Fuchs

National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

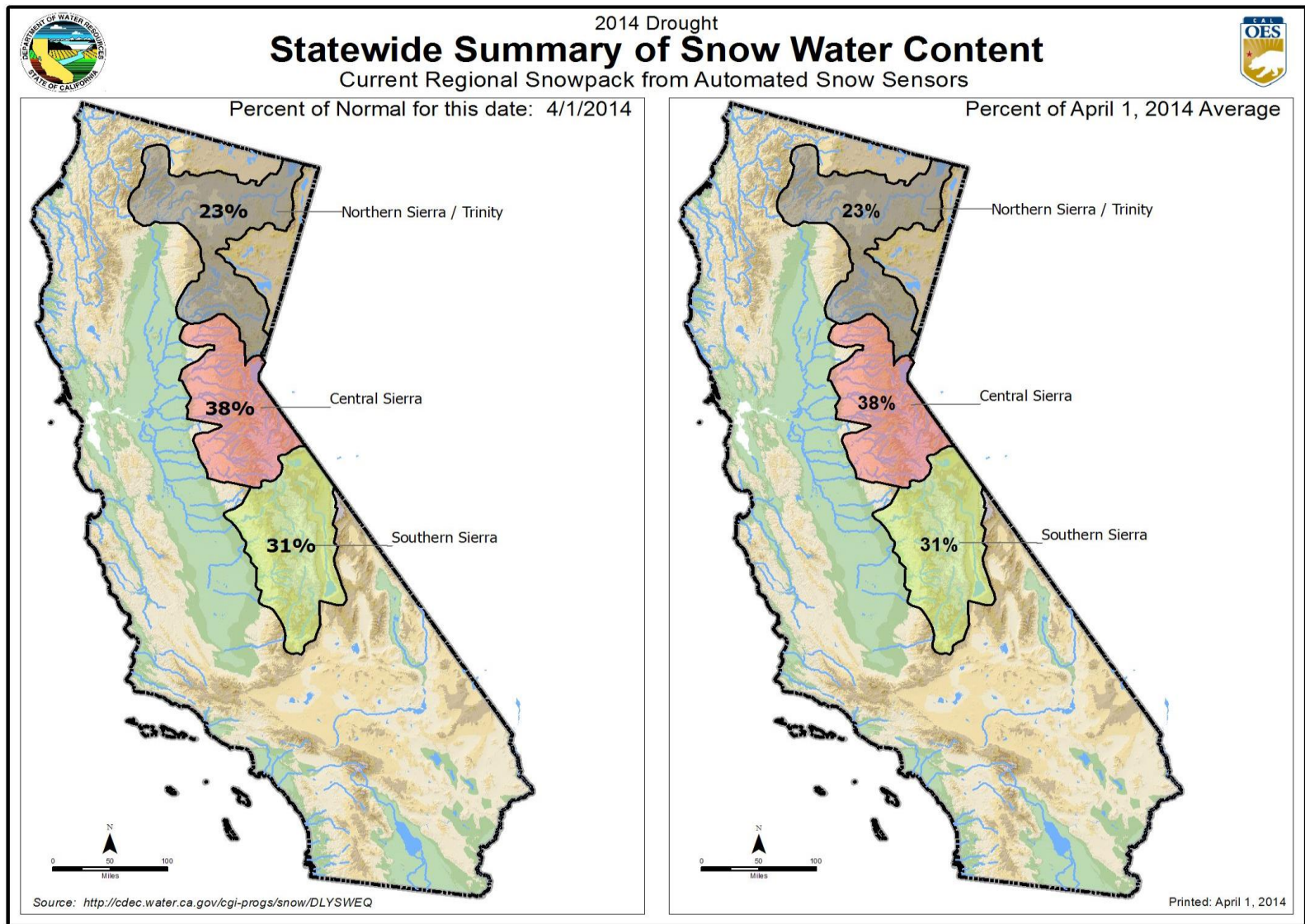
The D4 (Exceptional Drought) is the worst drought category on the Drought Monitor and **the first time it's been used in California since this monitoring system started in 2000.** The degradation was made due to historically low rainfall amounts so far this winter, long-term precipitation deficits stretching several years, and a growing number of increasingly significant drought impacts. **In addition, 68% of California is now covered by D3/D4 conditions.**

<http://droughtmonitor.unl.edu/Home/StateDroughtMonitor.aspx?CA>

<http://www.wrh.noaa.gov/sto/droughtca.php>

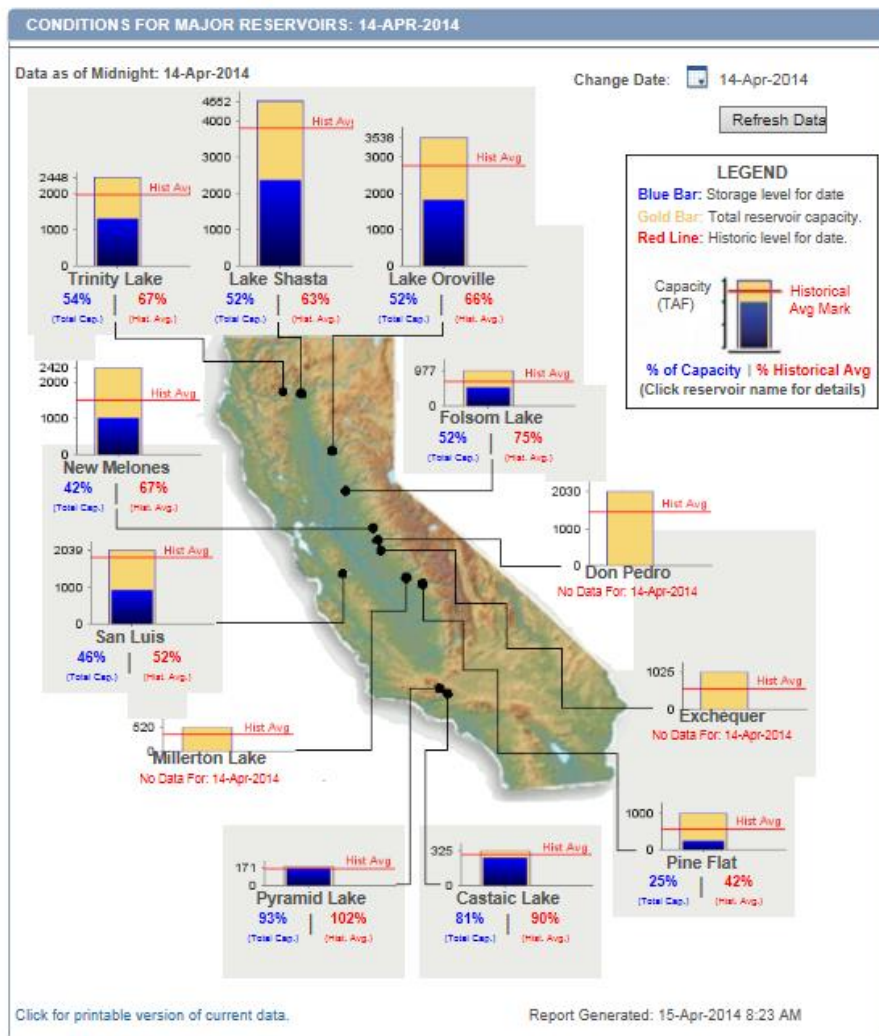


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## California Data Exchange Center - Reservoirs



## Reservoir Levels

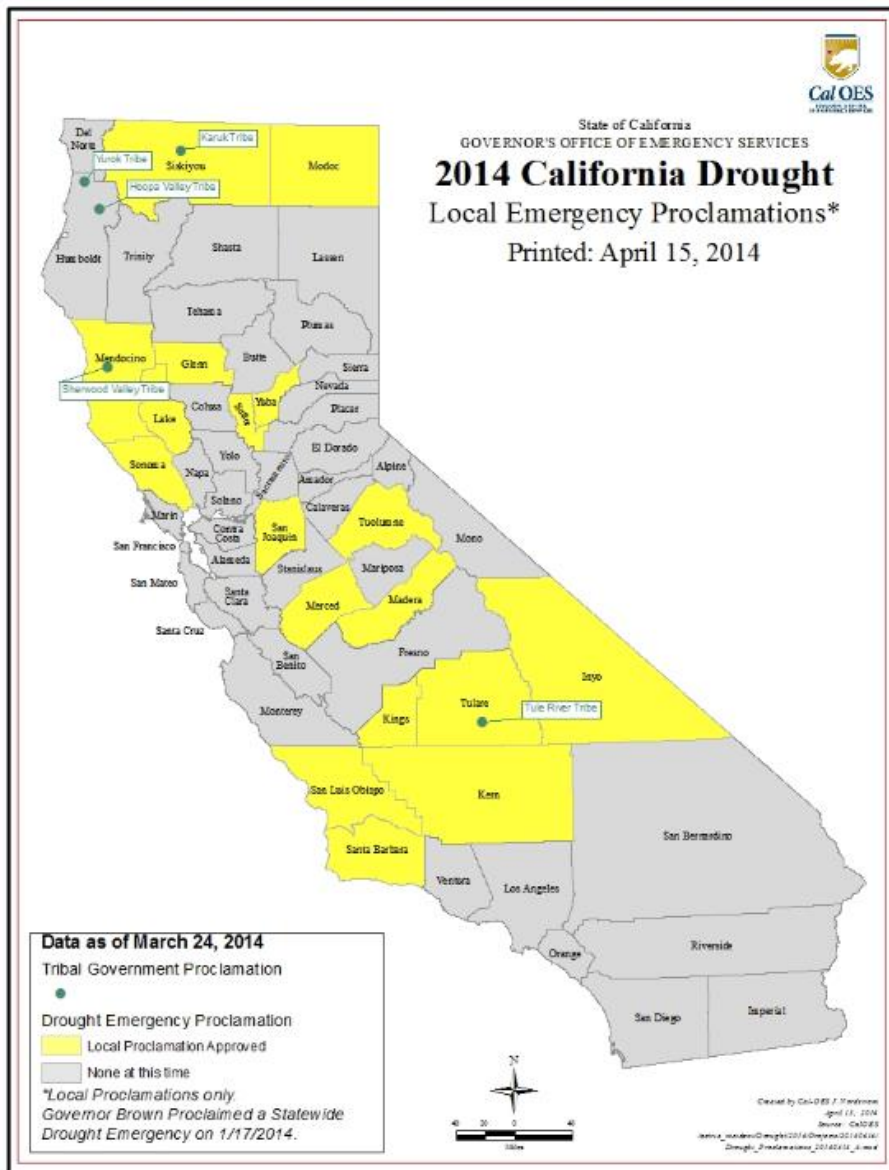
Many parts of California -- including Sacramento and Los Angeles -- marked calendar year 2013 as the driest on record. These extremely dry conditions follow two previous dry years statewide.

Storage in the reservoirs that typically help California cope with dry weather are well below average for this time of year.

River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

Some water districts with a diversified portfolio of water sources and ample storage -- such as the Metropolitan Water District of Southern California, which serves 19 million people -- are prepared to weather a third dry winter.

Farmers who depend heavily on the State's two biggest water projects, the Central Valley Project and State Water Project, face minimal and uncertain supplies.



## Proclamations

**State**

1/17/14 Governor Edmund G. Brown proclaimed a State of  
Emergency

## Counties

Glenn (1/22/14)  
Inyo (1/29/14)  
Kern (1/14/14)  
Kings (1/14/14)  
Lake (1/17/14, ratified 3/4/14)  
Madera (1/17/14)  
Mendocino (1/7/14)  
Merced (2/25/14)  
Modoc (3/4/14)  
San Joaquin (2/25/14)  
San Luis Obispo (3/11/14)  
Santa Barbara (1/17/14)  
Siskiyou (3/11/2014)  
Sonoma (2/25/14)  
Sutter (2/11/14)  
Tulare (2/4/14)  
Tuolumne (2/4/14)  
Yuba (2/18/14)

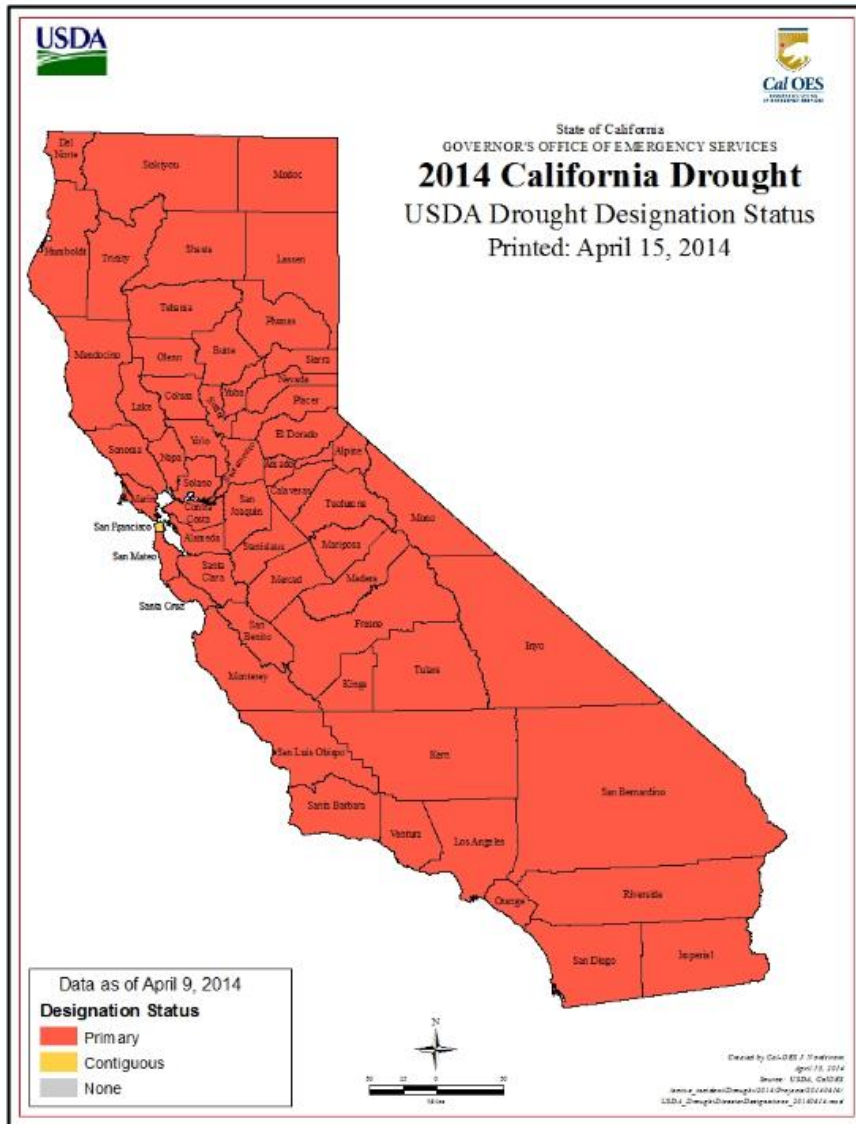
**Tribal**

Hoop Valley Reservation (1/20/14)  
 Sherwood Valley Pomo Indian Tribe (2/19/14)  
 Yurok Reservation (1/29/14)  
 Tule River Indian Tribe (1/30/14)  
 Karuk Tribe (2/18/14)  
 Yocha Dehe Wintun (3/25/2014)

Federal

None





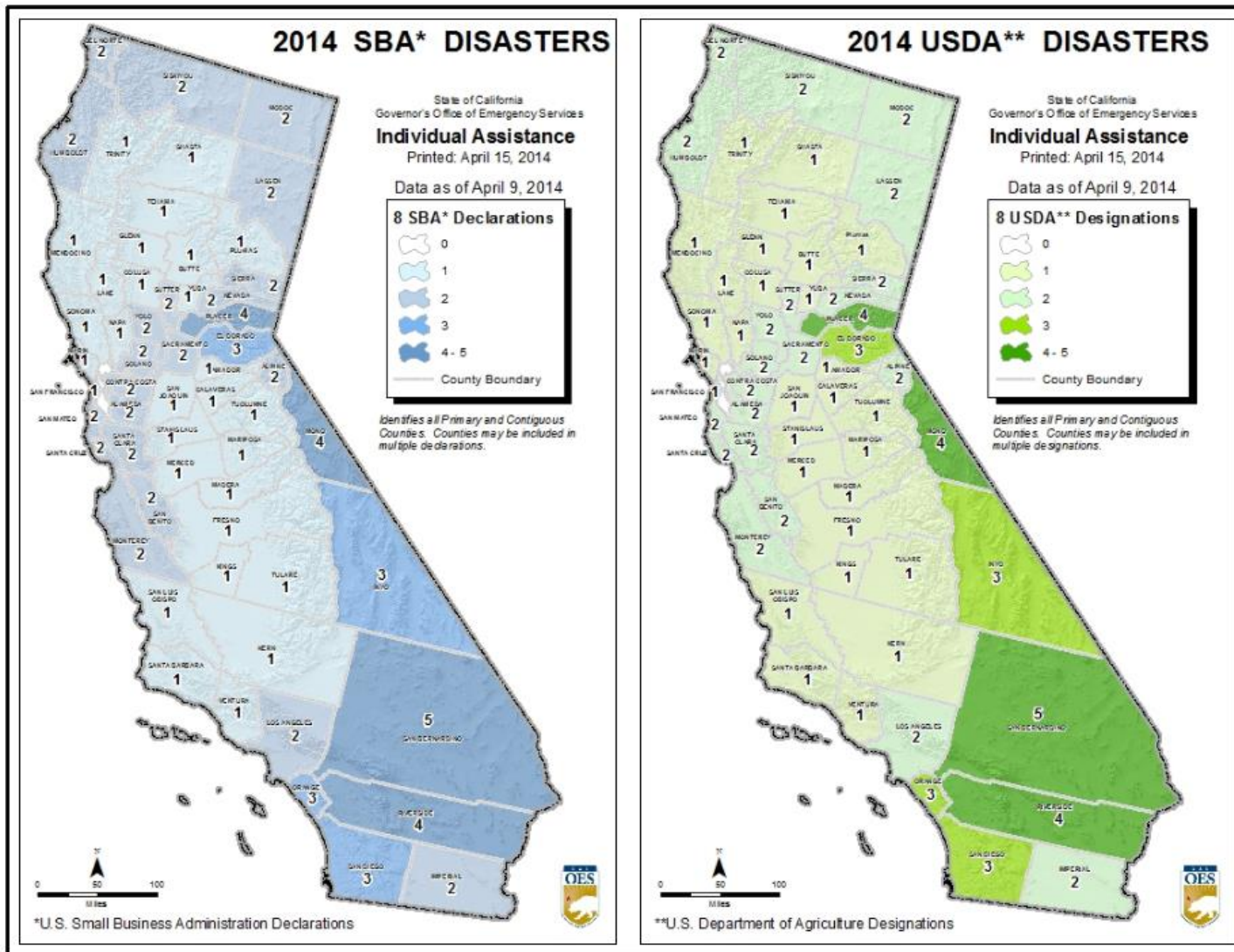
## USDA Disaster Designation

The United States Department of Agriculture (USDA) issued a secretarial disaster designation identifying 56 of 58 counties in California as primary natural disaster areas due to drought and 2 contiguous counties. This means that every county in California is now eligible to receive assistance.



# USDA Disaster Designation – Individual Assistance

Information as of 4/15/14



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